

### **Abstract**

Isoxazole estrogen receptor agonist and antagonist compounds having unexpected and surprising activity in modulating estrogen receptor activity are described. In addition, methods and compositions for treating or preventing estrogen receptor-mediated disorders are disclosed. The compounds, methods, and compositions of the invention have utility in preventing or treating estrogen receptor-mediated disorders such as osteoporosis, breast and endometrial cancers, atherosclerosis, and Alzheimer's disease.